WHAT IS CLAIMED IS:

of from about 0.15% to about 0.4%.

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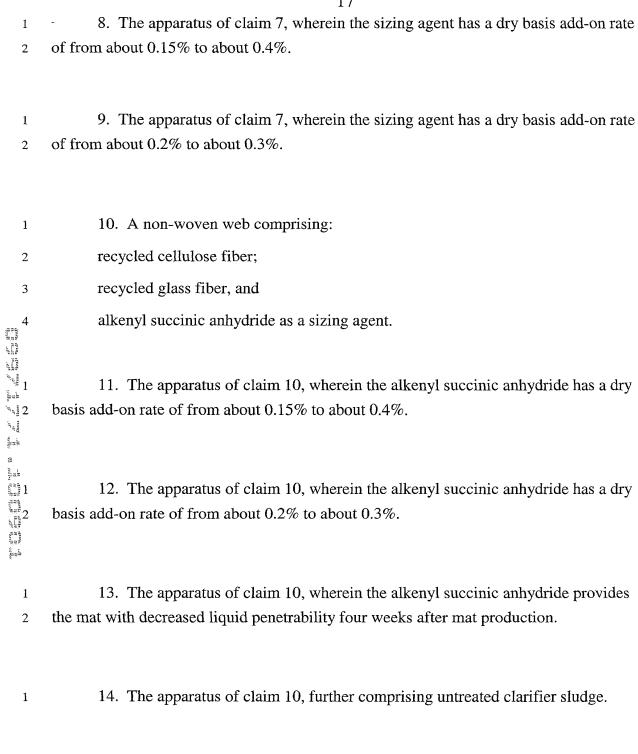
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The embodiments of the invention in which an exclusive property or privilege is claimed are defined as follows:

- 1 1. A non-woven web comprising:
 2 recycled cellulose fiber;
 3 recycled glass fiber, and
 4 a sizing agent which provides the mat with decreased liquid penetrability over
 5 time.

 2. The apparatus of claim 1, wherein the sizing agent is alkenyl succinic anhydride.

 [2. The apparatus of claim 2, wherein the sizing agent has a dry basis add-on rate
 - 4. The apparatus of claim 2, wherein the sizing agent has a dry basis add-on rate of from about 0.2% to about 0.3%.
 - 5. The apparatus of claim 1, wherein the sizing agent provides the mat with decreased liquid penetrability four weeks after mat production.
 - 6. The apparatus of claim 1, further comprising untreated clarifier sludge.
 - 7. The apparatus of claim 6, wherein the sizing agent is alkenyl succinic anhydride.



15. The apparatus of claim 14, wherein the sizing agent has a dry basis add-on

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rate of from about 0.15% to about 0.4%.

1 2	16. The apparatus of claim 14, wherein the sizing agent has a dry basis add-on rate of from about 0.2% to about 0.3%.
1	17. A method of forming a non-woven web, the method comprising:
2	making a mixture of recycled cellulose fiber and recycled glass fiber;
3	adding a sizing agent to the mixture;
4	forming the mixture into a mat;
5 6	choosing the sizing agent to provides the mat with decreased liquid penetrability over time.
1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	18. The method of claim 17, wherein the sizing agent is alkenyl succinic anhydride.
1 2 state of the s	19. The method of claim 17, further comprising adding the sizing agent at a dry basis add-on rate of from about 0.15% to about 0.4%.
2 - 1	20. The method of claim 17, further comprising adding the sizing agent at a dry basis add-on rate of from about 0.2% to about 0.3%.
1 2	21. The method of claim 17, wherein the sizing agent provides the mat with decreased liquid penetrability four weeks after mat production.
1 2	22. The method of claim 17, further comprising adding untreated clarifier sludge to the mixture.

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1	· 23. The method of claim 22, wherein the sizing agent is alkenyl succinic
2	anhydride.
1	24. The method of claim 22, further comprising adding the sizing agent at a dry
1	24. The method of claim 22, further comprising adding the sizing agent at a dry
2	basis add-on rate of from about 0.15% to about 0.4%.
1	25. The method of claim 22, further comprising adding the sizing agent at a dry
2	basis add-on rate of from about 0.2% to about 0.3%.
1	26. A rigid cellular foam board comprising:
1	20. A figid centular roam board comprising.
2	a first facer and a second facer;
3	a rigid cellular foam formed between the first facer and the second facer;
	wherein at least one of the first facer and the second facer comprise:
5 5	recycled cellulose fiber;
6	recycled glass fiber, and
	a sizing agent which provides the facer with decreased liquid penetrability
8	over time.
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1	27. The apparatus of claim 26, wherein the sizing agent is alkenyl succinic
2	anhydride.
1	28. The apparatus of claim 26, wherein the sizing agent has a dry basis add-on
2	rate of from about 0.15% to about 0.4%.

29. The apparatus of claim 26, wherein the sizing agent has a dry basis add-on

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rate of from about 0.2% to about 0.3%.

- 30. The apparatus of claim 26, wherein the sizing agent provides the facer with decreased liquid penetrability four weeks after facer production.
- 1 31. The apparatus of claim 26, wherein the foam is a polyisocyanurate foam.
- 32. The apparatus of claim 26, wherein at least one of the first facer and the second facer further comprise untreated clarifier sludge.
 - 33. The apparatus of claim 32, wherein the sizing agent is alkenyl succinic anhydride.

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- 34. The apparatus of claim 32, wherein the sizing agent has a dry basis add-on rate of from about 0.15% to about 0.4%.
- 35. The apparatus of claim 32, wherein the sizing agent has a dry basis add-on rate of from about 0.2% to about 0.3%.